## This Page is Inserted by IFW Indexing and Scanning Operations and is not part of the Official Record

## BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

□ BLACK BORDERS
□ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
□ FADED TEXT OR DRAWING
□ BLURRED OR ILLEGIBLE TEXT OR DRAWING
□ SKEWED/SLANTED IMAGES
□ COLOR OR BLACK AND WHITE PHOTOGRAPHS
□ GRAY SCALE DOCUMENTS
□ LINES OR MARKS ON ORIGINAL DOCUMENT
□ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY

## IMAGES ARE BEST AVAILABLE COPY.

O OTHER:

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.

L Number	Hits	Search Text	DB	Time stamp
-	1	("20020145832").PN.	USPAT;	2004/10/21
			US-PGPUB;	07:46
			EPO; JPO	
-	1	("20020075586").PN.	USPAT;	2004/10/19 14:18
			US-PGPUB;	
			EPO; JPO	
-	62	seigler.in.	USPAT;	2004/10/19
			US-PGPUB;	14:20
1	_		EPO; JPO	
-	(11)	(data adj storage adj (device or apparatus or system)	USPAT;	2004/10/19 14:31
	$\smile$	near5 stabiliz\$3)	US-PGPUB;	
	_		EPO; JPO	
-	$\mathbf{G}$	((record\$3 or read) adj head same perpendicular adj	USPAT;	2004/10/19
		record\$3 same noise adj reduc\$4)	US-PGPUB;	14:37
			EPO; JPO	
-	398	((record\$3 or read) adj head same perpendicular adj	USPAT;	2004/10/19
		record\$3)	US-PGPUB;	14:38
			EPO; JPO	:
-	<b>①</b>	(((record\$3 or read) adj head same perpendicular adj	USPAT;	2004/10/19
		record\$3)) and stabilizer	US-PGPUB;	14:44
			EPO; JPO	
-	(40)	perpendicular adj3 record\$3 same magnetic adj data	USPAT;	2004/10/19
	_		US-PGPUB;	14:52
			EPO; JPO	
-	332	data adj storage adj (apparatus or device or system	USPAT;	2004/10/19
		or medium) same probe	US-PGPUB;	14:55
			EPO; JPO	
-	13	(data adj storage adj (apparatus or device or system	USPAT;	2004/10/19
		or medium) same probe) and (read adj (head or	US-PGPUB;	14:58
	_	transducer))	EPO; JPO	
-	(60)	perpendicular near5 write adj head	USPAT;	2004/10/19 15:11
	_		US-PGPUB;	
			EPO; JPO	
-	(42	("2840440"   "4138702"   "4317148"   "4410603"	USPAT	2004/10/19
		"4423450"   "4438471"   "4541026"   "4546398"		15:02
		"4575777"   "4613918"   "4629660"   "4649449"		
		"4652956"   "4656546"   "4725909"   "4731157"		
		"4742413"   "4751598"   "4771350"   "4803581"		
		"4897749"   "4943882"   "4974110"   "5057957"		
		"5073836"   "5075280"   "RE33949"   "5195005"		
		"5196976"   "5225953"   "5311386"   "5333086"		
		"5396391"   "5436779"   "5738927"   "5815342"		
		"5815909"   "5920449"   "5942342"   "6008969"		
į	$\sim$	"6531202"   "6574072").PN.		
-	<b>(</b> 9`	(((elongated adj3 probe) or (permanent adj magnet adj	USPAT;	2004/10/19
		leg) or (ferromagnetic adj pole)) same back adj gap)	US-PGPUB;	15:24
		3 V,	EPO; JPO	
-	14	("4539616"   "4636897"   "4651248"   "4751599"	USPAT	2004/10/19 15:19
		"4881144"   "5032944"   "5198949"   "5241440"		
		"5486968"   "5515221"   "5606478"   "5621596"		
		"5798897"   "5812350"),PN.		

-	(16)	("5018038"   "5155646"   "5157570"   "5684660"   "5793577"   "5909346"   "5995342"   "5996213"	USPAT	2004/10/19 15:20
		"6008969"   "6043959"   "6055138"   "6259583"   "6317288"   "6333841"   "6483665"   "6525903"		
		"2001/0012177"   "2002/0024776"   "2002/0041465"   "2003/0053252").PN.		
-	8	(((elongated adj3 probe) or (permanent adj magnet adj leg) or (ferromagnetic adj pole)) same read adj head)	USPAT; US-PGPUB; EPO; JPO	2004/10/19 15:26
-	30	(write and read) adj head same underlayer	USPAT; US-PGPUB;	2004/10/19 15:36
-	20	("4170033"   "4623867"   "4972286"   "5142425"   "5247413"   "5272582"   "5491600"   "5491605"   "5539598"   "5557492"   "5663856"   "5757591"   "5761009"   "5764446"   "5829702"   "5850324"	EPO; JPO USPAT	2004/10/19 15:32
		"5978181"   "6081409"   "6160688"   "6330123").PN.		
-	417603	(((dis\$1 hard) near2 (drive apparatus)) HDA HDD	USPAT;	2004/10/19
		DASD RAID (magnetic storage drive\$1 assembly) near2 (disk\$5 disc\$1 media medium) (storage near2 drive\$1))	US-PGPUB; EPO; JPO	15:47
-	(58)	((((dis\$1 hard) near2 (drive apparatus)) HDA HDD	USPAT;	2004/10/19
		DASD RAID (magnetic storage drive\$1 assembly)	US-PGPUB;	15:42
		near2 (disk\$5 disc\$1 media medium) (storage near2 drive\$1))) and (read adj head same underlayer)	EPO; JPO	,
-	( 281	((((dis\$1 hard) near2 (drive apparatus)) HDA HDD	USPAT;	2004/10/19
		DASD RAID (magnetic storage drive\$1 assembly) near2 (disk\$5 disc\$1 media medium) (storage near2	US-PGPUB; EPO; JPO	15:45
_	1	drive\$1))) and (yoke adj assembly) ("6134080").PN.	USPAT;	2004/10/19 15:51
		( 010 1000 ).114.	US-PGPUB; EPO; JPO	2004/10/19 13:31
-	11	6134080,URPN.	USPAT	2004/10/19 15:50
-	11	6134080.URPN.	USPAT	2004/10/21 10:33
-	(37	read\$3 adj head near5 assembly same data adj	USPAT;	2004/10/19
		storage	US-PGPUB; EPO; JPO	15:52
-	3	("4532802"   "4670732"   "5680265").PN.	USPAT	2004/10/19 15:55
-	1439	360/57,313,317,327,327.22,327.23.ccls.	USPAT; US-PGPUB; EPO; JPO	2004/10/20 08:41
-	1	("5486967").PN.	USPAT; US-PGPUB; EPO; JPO	2004/10/20 08:35
-	1	("5636093").PN.	USPAT; US-PGPUB;	2004/10/20 08:36
-	1	("5695864").PN.	EPO; JPO USPAT; US-PGPUB;	2004/10/20 08:36
L	L		EPO; JPO	1

1		4	(11504504011) 05 1	1165.47	2004/40/02
Continue	-	1	("5815342").PN.	USPAT;	2004/10/20
- 4385 360/57,123,121,97.01,313,317,327,327,22,327,23,ccls. US-PGPUB; EPO, JPO USPAT; US-PGPUB;			·		08:38
S-PEPUB: EPO: JPO   CONTINUE   CPO: JPO					
- 4385 360/57,123,121,97.01,313,317,327,327.22,327.23,ccls. USP-6FUB: EPO: JPO USPAT: USP-6FUB: EPO: JPO USPAT: USP-6FUB: EPO: JPO USPAT: USPAT: USP-6FUB: EPO: JPO USPAT: USPAT: USPAT: USP-6FUB: EPO: JPO USPAT: USPAT: USP-6FUB: EPO: JPO USPAT: USP-6FUB	-	1	("6188549").PN.	USPAT;	2004/10/20
- 4385 360/57,123,121,97.01,313,317,327,327,22,327.23.ccls. US-PAT; US-PGPUB; EPO; JPO US-PAT; US-PGPUB; EPO; JPO USPAT; U				US-PGPUB;	08:38
US-PGPUB; EPO: JPO				EPO; JPO	
US-PGPUB; EPO: JPO USPAT: US-PGFUB; EPO: JPO US-PGFUB;	-	4385	360/57,123,121,97,01,313,317,327,327,22,327.23.ccls.	USPAT;	2004/10/20
1				· ·	1
- 1 ("6249407").PN. USPAT: US-PGPUB; EPO: JPO 1 ("6381094").PN. USPAT: US-PGPUB; EPO: JPO 1 ("5942342").PN. USPAT: US-PGPUB; EPO: JPO 2562 perpendicular near65 ((record\$4 or writ\$4) adj head) 1 (perpendicular near65 ((record\$4 or writ\$4) adj head) 1 (perpendicular near65 ((record\$4 or writ\$4) adj head) 1 (perpendicular near65 ((record\$4 or writ\$4) adj head) USPAT: US-PGPUB; EPO: JPO 1 (perpendicular near65 ((record\$4 or writ\$4) adj head)) and (read adj head) und head) USPAT: USPAT				-	
- 1 ("6381094")PN. US-PCPUB; EPO: JPO USPAT:	_	1	("6249407") PN		2004/10/20
1		•	(02.15.107 )	-	
1					00.43
- 2562 perpendicular near65 ((record\$4 or writ\$4) adj head) - 2562 perpendicular near65 ((record\$4 or writ\$4) adj head) - 2562 perpendicular near65 ((record\$4 or writ\$4) adj head) - 12739 read adj head - 2004/10/20 USPAT: US-PGPUB; EPO; JPO US-			("4 3 9 1 0 0 A    \ D \ )		2004/10/20
Comparison of the perpendicular near of th	-	1	( 0301094 ).FIN.		
1				· ·	08:44
- 2562 perpendicular near65 ((record\$4 or writ\$4) adj head) - 12739 read adj head - 12739 read adj head - 320 (perpendicular near65 ((record\$4 or writ\$4) adj head)					
- 2562 perpendicular near65 ((record\$4 or writ\$4) adj head)  - 12739 read adj head  - 12739 read adj head same (write or record\$3) adj head	-	1	("5942342").PN.	· ·	
2562   perpendicular near65 ((record\$4 or writ\$4) adj head)   USPAT: US-PGPUB: EPO: JPO   USPAT: US-PGPUB: EPO: JPO   USPAT: US-PGPUB:					08:47
12739   read adj head   US-PGPUB;   EPO: JPO   USPAT:   2004/10/20   USPAT:   2004/10/					
Tead adj head   EPO: JPO	-	2562	perpendicular near65 ((record\$4 or writ\$4) adj head)	USPAT;	2004/10/20
- 12739 read adj head  12739 read adj head  (perpendicular near65 ((record\$4 or writ\$4) adj head)) and (read adj head)  (perpendicular near65 ((record\$4 or writ\$4) adj head)) and (read adj head)  (perpendicular near65 ((record\$4 or writ\$4) adj head)) and (read adj head)) and bias  (perpendicular adj4 (medium or dis\$1) us-pepu8; EPO; JPO uspAT; 2004/10/20 uspAT; 2004/10/				US-PGPUB;	08:47
US-PGPUB; EPC; JPO   USPAT;				EPO; JPO	
US-PGPUB; EPC; JPO   USPAT;	-	12739	read adj head	USPAT;	2004/10/20
- 320 (perpendicular near65 ((record\$4 or writ\$4) adj head)) and (read adj head)  - 95 ((perpendicular near65 ((record\$4 or writ\$4) adj head)) and (read adj head)) and bias (PO: JPO USPAT: 2004/10/20 08:53 (PO: JPO USPAT: 2004/10/20 08:53 (PO: JPO USPAT: 2004/10/20 08:55 (PO: JPO USPAT: 2004/10/20 08:56 (PO: JPO USPAT: 2004/10/20 08:57 (PO: JPO USPAT: 2004/10/20 08:57 (PO: JPO USPAT: 2004/10/20 08:57 (PO: JPO USPAT: 2004/10/20 09:04 (PO: JPO USPAT: 2004/10/20 09:04 (PO: JPO USPAT: 2004/10/20 09:04 (PO: JPO USPAT: 2004/10/20 09:05 (PO: JPO USPAT: 2004/10/20 09:07 (PO: JPO USPAT: 2004/10/20 09:03 (PO: JPO USPAT: 2004/10/2			, and the second		1
- 320 (perpendicular near65 ((record\$4 or writ\$4) adj head)) and (read adj head)  - 95 ((perpendicular near65 ((record\$4 or writ\$4) adj head)) and (read adj head)) and bias  - 11453 (perpendicular adj4 (medium or dis\$1)	ļ		·	-	
head)) and (read adj head)  ((perpendicular near65 ((record\$4 or writ\$4) adj head)) and (read adj head)) and bias  - 11453		320	(nernendicular near65 ((record\$4 or writ\$4) adi		2004/10/20
- (perpendicular near65 ((record\$4 or writ\$4) adj head)) and (read adj head)) and bias EPO; JPO USPAT; 2004/10/20 US-PGPUB; EPO; JPO USPAT; 2004/10/20 US-PGPUB; EPO; JPO US-P		320	1 ** *		
Spate			nead)) and (read ad) nead)		00.40
head)) and (read adj head)) and bias    US-PGPUB; EPO; JPO		(OF	(/nonnovalioulan manuf 5 (/nonnoval 4 ammit 4 ) adi		2004/10/20
- 11453 perpendicular adj4 (medium or dis\$1) USPAT; 2004/10/20 USPAT; 2004/10/20 USPAT; US-PGPUB; EPO; JPO USPAT; 2004/10/20 USPAT; 2004/1		ر (95			1
- 11453 perpendicular adj4 (medium or dis\$1) USPAT; US-PGPUB; EPO; JPO US-PGPUB; EPO; JPO USPAT; 2004/10/20 US-PGPUB; US-PGPUB; EPO; JPO USPAT; 2004/10/20 US-PGPUB; EPO USPAT; 2004/10/20 US-PGPUB; 2004/10/20 US-PGPUB; 2004/10/20 US-PGPUB; 2004/10/20 US-PGPUB; 2004/10/20 US-PGPUB; 2004/10/20 US-PGPUB; 2004/			nead)) and (read ad) nead)) and bias		08:53
US-P6PUB; EPO: JPO USPAT: 2004/10/20 US-P6PUB; EPO: JPO US-P6PUB; O9:04 EPO: JPO US-P6PUB; O9:05 EPO: JPO US-P6PUB; O9:05 EPO: JPO US-P6PUB; O9:05 EPO: JPO USPAT: 2004/10/20 US-P6PUB; O9:05 EPO: JPO USPAT: 2004/10/20 US-P6PUB; O9:07 EPO: JPO USPAT: 2004/10/20 US-P6PUB; O9:07 EPO: JPO USPAT: 2004/10/20 US-P6PUB; O9:07 EPO: JPO USPAT: 2004/10/20 US-P6PUB; O9:30 EPO: JPO USPAT: 2004/10/20 US-P6PUB; O9:30 EPO: JPO US-P6PUB; O9:31		44.55			
- 434 soft near8 underlayer  - 297 (perpendicular adj4 (medium or dis\$1)) and (soft uspAT; us	-	11453	perpendicular adj4 (medium or dis\$1)		i i
- 434 soft near8 underlayer  - (perpendicular adj4 (medium or dis\$1)) and (soft near8 underlayer)  - (perpendicular adj4 (medium or dis\$1)) and (soft near8 underlayer)  - (perpendicular adj4 (medium or dis\$1)) and (soft USPAT; 2004/10/20 US-PGPUB; EPO; JPO USPAT; 2004/10/20 US-PGPUB; 2004/10/20 US-PGPU				-	08:55
- (297 (perpendicular adj4 (medium or dis\$1)) and (soft near8 underlayer) ((perpendicular adj4 (medium or dis\$1)) and (soft USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB;			·		:
- (perpendicular adj4 (medium or dis\$1)) and (soft near8 underlayer)  - ((perpendicular adj4 (medium or dis\$1)) and (soft near8 underlayer)) and (read adj (sensor or head))  - ((perpendicular adj4 (medium or dis\$1)) and (soft near8 underlayer)) and (read adj (sensor or head))  - ((perpendicular adj4 (medium or dis\$1)) and (soft near8 underlayer)) and (read adj (sensor or head))  - ((perpendicular adj4 (medium or dis\$1)) and (soft US-PGPUB; EPO; JPO USPAT; 2004/10/20 US-PGPUB; O9:30 EPO; JPO USPAT; 2004/10/20 US-PGPUB; O9:31	-	434	soft near8 underlayer	•	2004/10/20
- (297) (perpendicular adj4 (medium or dis\$1)) and (soft near8 underlayer)  - (88) ((perpendicular adj4 (medium or dis\$1)) and (soft near8 underlayer)) and (read adj (sensor or head))  - (1) 5764445.pn.  - (297) ((perpendicular adj4 (medium or dis\$1)) and (soft near8 underlayer)) and (read adj (sensor or head))  - (1) 5764445.pn.  - (2004/10/20				US-PGPUB;	08:56
near8 underlayer   US-PGPUB;   PO: JPO   USPAT;   2004/10/20   U				EPO; JPO	
near8 underlayer   US-PGPUB; EPO; JPO   USPAT; 2004/10/20   USPA	-	297	(perpendicular adj4 (medium or dis\$1)) and (soft	USPAT;	2004/10/20
- ((perpendicular adj4 (medium or dis\$1)) and (soft near8 underlayer)) and (read adj (sensor or head))  - 1 5764445.pn.  1 5764445.pn.  1 6064552.pn.  1 5668688.pn.  1 5668688.pn.  2004/10/20 USPAT; 2004/10/20		\			
- (88) ((perpendicular adj4 (medium or dis\$1)) and (soft near8 underlayer)) and (read adj (sensor or head))  - 1 5764445.pn.  1 5764445.pn.  1 6064552.pn.  1 5668688.pn.  1 5668688.pn.  1 5668688.pn.  2004/10/20 USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; O9:30 EPO; JPO USPAT; US-PGPUB; O9:31			, .		
near8 underlayer)) and (read adj (sensor or head))  US-PGPUB; EPO; JPO USPAT; US-PGPUB; O9:04  EPO; JPO US-PGPUB; O9:05  EPO; JPO US-PGPUB; O9:07  EPO; JPO US-PGPUB; O9:07  EPO; JPO US-PGPUB; O9:07  US-PGPUB; O9:07  EPO; JPO US-PGPUB; O9:30  EPO; JPO US-PGPUB; O9:30  EPO; JPO US-PGPUB; O9:30  EPO; JPO US-PGPUB; O9:30  EPO; JPO US-PGPUB; O9:31	_	(88)	((perpendicular adi4 (medium or dis\$1)) and (soft		2004/10/20
EPO; JPO USPAT; 2004/10/20 US-PGPUB; 09:05 EPO; JPO US-PGPUB; 09:05 EPO; JPO USPAT; 2004/10/20 US-PGPUB; 09:07 EPO; JPO US-PGPUB; 09:07 EPO; JPO US-PGPUB; 09:30 EPO; JPO US-PGPUB; 09:30 EPO; JPO US-PGPUB; 09:30 EPO; JPO US-PGPUB; 09:30 EPO; JPO US-PGPUB; 09:31					
- 1 5764445.pn. USPAT; 2004/10/20 US-PGPUB; 69:05  - 1 6064552.pn. USPAT; 2004/10/20 US-PGPUB; 09:07  - 1 5668688.pn. USPAT; 2004/10/20 US			( out day (outlook of fload))		53.01
US-PGPUB; D9:05 EPO; JPO USPAT; 2004/10/20 US-PGPUB; O9:07 EPO; JPO USPAT; 2004/10/20 USPAT; 2004/10/20 USPAT; 2004/10/20 USPAT; 2004/10/20 US-PGPUB; O9:30 EPO; JPO USPAT; 2004/10/20 US-PGPUB; O9:30 EPO; JPO USPAT; 2004/10/20 USPAT; 2004/10/20 USPAT; 09:31	_	1	5764445 nn		2004/10/20
EPO; JPO USPAT; 2004/10/20 US-PGPUB; 69:07 EPO; JPO USPAT; 2004/10/20			ο / ο τ ττο.μι, 		
- 1 6064552.pn. USPAT; 2004/10/20 US-PGPUB; EPO; JPO USPAT; 2004/10/20 EPO; JPO USPAT; 2004/10/20 record\$3) adj head same (write or record\$3) adj head) same assembly USPAT; 2004/10/20 USPAT; 2					09.00
- 1 5668688.pn. US-PGPUB; EPO; JPO USPAT; 2004/10/20 US-PGPUB; EPO; JPO US-PGPUB; O9:30 EPO; JPO USPAT; 2004/10/20 EPO; JPO USPAT; 2004/10/20 record\$3) adj head same (write or record\$3) adj head) same assembly US-PGPUB; O9:31		.	4044552 mm		2004/40/20
- 1 5668688.pn. EPO; JPO USPAT; 2004/10/20 US-PGPUB; EPO; JPO US-PGPUB; EPO; JPO USPAT; 2004/10/20	-	.	0004002.pn.		1
- 1 5668688.pn. USPAT; 2004/10/20 US-PGPUB; 09:30 EPO; JPO USPAT; 2004/10/20 USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; 2004/10/20 USPAT; 2004/10/20 USPAT; 2004/10/20 USPAT; USPA				·	09:07
- 812 ((read or reproduc\$3) adj head same (write or record\$3) adj head) same assembly  US-PGPUB; 09:30 EPO; JPO USPAT; 2004/10/20 US-PGPUB; 09:31					
EPO; JPO ((read or reproduc\$3) adj head same (write or record\$3) adj head) same assembly  USPAT; 2004/10/20 US-PGPUB; 09:31	-	1	5668688.pn.		
- 812 ((read or reproduc\$3) adj head same (write or USPAT; 2004/10/20 record\$3) adj head) same assembly US-PGPUB; 09:31					09:30
record\$3) adj head) same assembly US-PGPUB; 09:31				EPO; JPO	
record\$3) adj head) same assembly US-PGPUB; 09:31	-	812	((read or reproduc\$3) adj head same (write or	USPAT;	2004/10/20
				US-PGPUB;	
				EPO; JPO	

			T	
-	59	(((read or reproduc\$3) adj head same (write or	USPAT;	2004/10/20
		record\$3) adj head) same assembly) and	US-PGPUB;	09:32
		(perpendicular adj4 (medium or dis\$1))	EPO; JPO	
-	643	360/324.1, 324.2.ccls.	USPAT;	2004/10/20
			US-PGPUB;	09:40
			EPO; JPO	
-	424	(360/324.1, 324.2.ccls.) and magnetic adj head	USPAT;	2004/10/20
			US-PGPUB;	09:40
			EPO; JPO	
_	23	((360/324.1, 324.2.ccls.) and magnetic adj head) and	USPAT;	2004/10/20
		probe	US-PGPUB;	09:52
		pi obe	EPO; JPO	05.52
	35055		1	2004/10/20
-	35055	read near4 sensor	USPAT;	2004/10/20
			US-PGPUB;	09:52
			EPO; JPO	
<b>-</b> .	218	(perpendicular near65 ((record\$4 or writ\$4) adj	USPAT;	2004/10/20
	1	head)) and (read near4 sensor)	US-PGPUB;	09:53
	1		EPO; JPO	
-	749	(read adj3 sensor) near "40" bias\$5 adj15 (soft adj6	USPAT;	2004/10/20
		magnetic)	US-PGPUB;	09:59
			EPO; JPO	
-	(14	((soft near9 underlayer) and sensor near15 ((bias\$3	USPAT;	2004/10/20
		adj8 field) or (field adj8 bias\$3))) and (read near5	US-PGPUB:	10:02
		sensor)	EPO; JPO	
_	(19	((soft near9 underlayer) and sensor near15 ((bias\$3	USPAT;	2004/10/20
	6	adj8 field) or (field adj8 bias\$3)))	US-PGPUB;	10:02
		adjo field of (field dajo bids\$3)))	EPO; JPO	10.02
	(25	("5546253"   "5583727"   "5585986"   "5633770"	USPAT	2004/10/20
-		"5738938"   "5750270"   "5809637"   "5850326"	USFAT	10:04
		· · · · · · · · · · · · · · · · · · ·		10.04
		"5909340"   "5976660"   "6029339"   "6104632"		
		"6111406"   "6117282"   "6122150"   "6125019"		
		"6212047"   "6307707"   "6319622"   "6320725"		
		"6436526"   "6456465"   "6469873"   "6567246"		
		"6621664").PN.		
-	1	("6134080").PN.	USPAT;	2004/10/20
			US-PGPUB;	10:56
			EPO; JPO	
-	1	("6249407").PN.	USPAT;	2004/10/20
	1		US-PGPUB;	12:50
			EPO; JPO	
-	2	("4222084"   "4317148").PN.	USPAT	2004/10/20
		· · · · · · · · · · · · · · · · · · ·		14:50
-	10	4222084.URPN.	USPAT	2004/10/20
			00.71	14:51
_	4	6008969.URPN.	USPAT	2004/10/20
_		0000007.00114.	USFAT	
		"522010 A" DN	LICDAT	14:51
-	1	"5228184".PN.	USPAT	2004/10/20
				14:55
-	42	(yoke near9 (assembly or strucuture) same (record\$4	USPAT;	2004/10/20
		or writ\$4) adj head)	US-PGPUB;	15:01
			EPO; JPO	
-	<u> </u>	((record\$4 or writ\$4) adj head) near20 inside near20	USPAT;	2004/10/20
		(yoke adj assembly or poles)	US-PGPUB;	15:02
			EPO; JPO	
	·	1		

	1423	(write adj head) near20 (probe or pole)	USPAT;	2004/10/21
_	1723	(write day nedd) nedi 20 (probe oi pole)	US-PGPUB;	07:47
	_		EPO; JPO	07.47
	247	//wwitd: hd)20 (h	USPAT;	2004/10/21
-	(24)	((write adj head) near20 (probe or pole)) and		
		(perpendicular near9 record\$3)	US-PGPUB;	07:59
	444	last to the life to	EPO; JPO	2004/10/21
] <del>-</del>	441	piggyback near5 head	USPAT;	2004/10/21
			US-PGPUB;	08:30
	400		EPO; JPO	000440404
-	422	(piggyback near5 head) and (probe or pole)	USPAT;	2004/10/21
			US-PGPUB;	08:31
	(15)		EPO; JPO	2004/40/24
-	(12,	((piggyback near5 head) and (probe or pole)) and	USPAT;	2004/10/21
	_	(perpendicular adj record\$3)	US-PGPUB;	08:31
	(100)		EPO; JPO	0004/40/04/44
_	(109)	(magnetic adj head) near5 probe	USPAT;	2004/10/21 11:48
			US-PGPUB;	
	222	(mark	EPO; JPO	2004/40/04 44 45
-	282	(probe or pole) near20 (trapezoid\$2 adj4 shape)	USPAT;	2004/10/21 11:42
			US-PGPUB;	
		),, , , , , , , , , , , , , , , , , , ,	EPO; JPO	
-	(14)		USPAT;	2004/10/21 11:33
		(perpendicular adj record\$3)	US-PGPUB;	
	$\Theta$	//	EPO; JPO	0004/40/04/44
-	(56)	((probe or pole) near20 (trapezoid\$2 adj4 shape)) and	USPAT;	2004/10/21 11:42
		(magnetic adj3 head)	US-PGPUB;	
		(multi-multi)	EPO; JPO	2004/40/04/44
-	9	(probe or pole) near20 (reverse\$3 near5 trapezoid\$2	USPAT;	2004/10/21 11:46
		adj4 shape)	US-PGPUB;	
ę	12	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	EPO; JPO	2004/10/04/4
-	12	(probe or pole) same (reverse\$3 same trapezoid\$2	USPAT;	2004/10/21 11:46
		adj4 shape)	US-PGPUB;	
	2	(/manuatic adi baad)	EPO; JPO USPAT;	2004/10/21 11:40
-		((magnetic adj head) near5 probe) and (trapezoid\$2 near20 shape)	US-PGPUB;	2004/10/21 11:48
		neurzo snape)		
	10005	nnaha naan20 haad	EPO; JPO USPAT;	2004/10/22
_	10003	probe near20 head	USPAT; US-PGPUB;	2004/10/22 09:29
			EPO; JPO	07.67
_	<i>(</i> 73	(probe near20 head) and perpendicular adj record\$3	USPAT;	2004/10/22
		Libi one tient to tread) and berbeharchlar, and record \$3	US-PGPUB;	09:49
			EPO; JPO	UJ. TJ
_	1	("5454158").PN.	USPAT;	2004/10/22
		( 0 10 1200 J.HV.	US-PGPUB;	10:04
			EPO; JPO	10.04
	13	("4722073"   "5171992"   "5266897"   "5343422"	USPAT	2004/10/22
	.3	"5347485"   "5361226"   "5432734"   "5436448"	33.7.1	09:52
		"5448515"   "5449935"   "5454158"   "5465046"		J.J.
		"5486963").PN.		
_	9	5900728.URPN.	USPAT	2004/10/22
			001741	09:56
-	86	/ (cone or pyramid or trapezoid\$2) adj probe	USPAT;	2004/10/22
			US-PGPUB;	10:16
			EPO; JPO	10.10
L	L		Lr0, 370	

-	1	((cone or pyramid or trapezoid\$2) adj probe) and	USPAT;	2004/10/22
		perpendicular adj record\$3	US-PGPUB;	10:16
			EPO; JPO	
ı <b>-</b>	1	5436448.pn.	USPAT;	2004/10/22 11:01
		, 	U5-PGPUB;	
			EPO; JPO	
-	0	20030137779.URPN.	USPAT	2004/10/22
				11:35